

# SURMODICS StabilZyme® Conjugate Stabilizers / Assay Diluent – CMIT/MIT

## Safety Data Sheet (EU)

Date of issue: 11-May-2017

Version: 0

### SECTION 1: Identification of the substance/mixture and of the company/undertaking

#### 1.1. Product identifier

Product form : Mixture  
Trade name : StabilZyme® AP Conjugate Stabilizer-CMIT/MIT, StabilZyme® Protein-Free AP Stabilizer-CMIT/MIT, StabilZyme® Protein-Free Stabilizer-CMIT/MIT, StabilZyme® HRP Conjugate Stabilizer-CMIT/MIT, StabilZyme *SELECT*® Stabilizer-CMIT/MIT, StabilZyme *NOBLE*® Stabilizer (BSA-Free)-CMIT/MIT, Assay Diluent-CMIT/MIT  
Product code : SA01CF01, SAPFCF01, SZPFCF01, SZ02CF02, SZ03CF02, SZ04CF02, SM01CF02  
Product group : Trade product  
Other means of identification : Aqueous solution preserved with 5-Chloro-2-Methyl-3(2H)-isothiazolone with 2-Methyl-3(2H)-isothiazolone, CAS #55965-84-9 (mixture of CMIT/MIT) added at 0.00144%

#### 1.2. Relevant identified uses of the substance or mixture and uses advised against

##### 1.2.1. Relevant identified uses

Use of the substance/mixture : For further manufacture or laboratory use.

##### 1.2.2. Uses advised against

No additional information available

#### 1.3. Details of the supplier of the safety data sheet

Surmodics, Inc.  
9924 West 74th Street  
Eden Prairie, MN 55344 USA  
Phone: (952) 500-7000  
Fax: (952) 500-7001

#### 1.4. Emergency telephone number

Emergency number : CHEMTREC: 1-800-424-9300 (US and Canada) / 1-703-527-3887 (International shipments)

### SECTION 2: Hazards identification

#### 2.1. Classification of the substance or mixture

Classification according to Regulation (EC) No. 1272/2008 [CLP]

Not classified

#### Adverse physicochemical, human health and environmental effects

No additional information available

#### 2.2. Label elements

Labeling according to Regulation (EC) No. 1272/2008 [CLP]

EUH208: Contains CMIT/MIT. May produce an allergic reaction.

#### 2.3. Other hazards

Other hazards not contributing to the classification : None under normal conditions.

### SECTION 3: Composition/information on ingredients

#### 3.1. Substance

Not applicable

#### 3.2. Mixture

Name	CAS No.	Index No.	%	Classification according to Regulation (EC) No. 1272/2008 [CLP]
CMIT/MIT	55965-84-9	613-167-00-5	<0.0015%	Acute Tox. 3; H301 Acute Tox. 3; H311 Acute Tox. 3; H313 Skin Corr. 1B; H314 (C ≥ 0.6 %) Skin Irrit. 2; H315 (0.06 % ≤ C < 0.6 %) Skin Sens. 1; H317 (C ≥ 0.0015 %) Aquatic Acute 1; H400 Aquatic Chronic 1; H410

CMIT/MIT: Reaction mass of: 5-chloro-2-methyl-4-isothiazolin-3-one [EC no. 247-500-7]; and 2-methyl-2H -isothiazol-3-one [EC no. 220-239-6] (3:1)

Full text of H-phrases: see section 16

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### SECTION 4: First aid measures

#### 4.1. Description of first aid measures

First-aid measures general	: If exposed or concerned, get medical attention/advice. Show this safety data sheet to the doctor in attendance. Wash contaminated clothing before re-use. Never give anything to an unconscious person.
First-aid measures after inhalation	: IF INHALED: Remove to fresh air and keep at rest in a comfortable position for breathing.
First-aid measures after skin contact	: IF ON SKIN (or clothing): Remove affected clothing and wash all exposed skin with water for at least 15 minutes.
First-aid measures after eye contact	: IF IN EYES: Immediately flush with plenty of water for at least 15 minutes. Remove contact lenses if present and easy to do so. Continue rinsing.
First-aid measures after ingestion	: IF SWALLOWED: rinse mouth thoroughly. Do not induce vomiting without advice from poison control center or medical professional. Get medical attention if you feel unwell.

#### 4.2. Most important symptoms and effects, both acute and delayed

Symptoms/injuries	: Not expected to present a significant hazard under anticipated conditions of normal use.
Symptoms/injuries after inhalation	: May cause respiratory irritation.
Symptoms/injuries after skin contact	: Contains CMIT/MIT. May produce an allergic reaction.
Symptoms/injuries after eye contact	: May cause slight temporary irritation.
Symptoms/injuries after ingestion	: May cause gastrointestinal irritation.

#### 4.3. Indication of any immediate medical attention and special treatment needed

No additional information available

### SECTION 5: Firefighting measures

#### 5.1. Extinguishing media

Suitable extinguishing media : Foam. Dry powder. Carbon dioxide. Water spray. Sand.

#### 5.2. Special hazards arising from the substance or mixture

Fire hazard	: No data available.
Explosion hazard	: No data available.

#### 5.3. Advice for firefighters

Firefighting instructions	: Use water spray or fog for cooling exposed containers. Exercise caution when fighting any chemical fire. Do not dispose of fire-fighting water in the environment.
Protection during firefighting	: Do not enter fire area without proper protective equipment, including respiratory protection.

### SECTION 6: Accidental release measures

#### 6.1. Personal precautions, protective equipment and emergency procedures

General measures : Evacuate area. Keep upwind. Ventilate area. Spill should be handled by trained clean-up crews properly equipped with respiratory equipment and full chemical protective gear (see Section 8).

##### 6.1.1. For non-emergency personnel

Protective equipment	: Wear Protective equipment as described in Section 8.
Emergency procedures	: Evacuate unnecessary personnel.

##### 6.1.2. For emergency responders

Protective equipment : Wear suitable protective clothing, gloves and eye or face protection. Approved supplied-air respirator, in case of emergency.

#### 6.2. Environmental precautions

Prevent entry to sewers and public waters. Notify authorities if liquid enters sewers or public waters. Avoid release to the environment.

#### 6.3. Methods and material for containment and cleaning up

For containment	: Contain any spills with dikes or absorbents to prevent migration and entry into sewers or streams.
Methods for cleaning up	: Place in a suitable container for disposal in accordance with the waste regulations (see Section 13). Wash spill area thoroughly with plenty of soap and water.

#### 6.4. Reference to other sections

No additional information available

### SECTION 7: Handling and storage

#### 7.1. Precautions for safe handling

Precautions for safe handling : Use appropriate personal protection equipment (PPE). Do not handle until all safety precautions have been read and understood. Keep away from sources of ignition - No smoking. Wash hands and other exposed areas with mild soap and water before eating, drinking or smoking and when leaving work.

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### 7.2. Conditions for safe storage, including any incompatibilities

Storage conditions	: Keep the container tightly closed. Store in a dry, cool and well-ventilated place. Avoid elevated temperatures.
Storage temperature	: Refrigerated or room temperature

### 7.3. Specific end use(s)

No additional information available

## SECTION 8: Exposure controls/personal protection

### 8.1. Control parameters

No additional information available

### 8.2. Exposure controls

Appropriate engineering controls	: Ensure adequate ventilation, especially in confined areas.
Personal protective equipment	: Gloves. Protective goggles.
Hand protection	: Use gloves chemically resistant to this material when prolonged or repeated contact could occur. Gloves should be classified under Standard EN 374 or ASTM F1296. Suggested glove materials are: Natural rubber ("latex"), Neoprene, Nitrile/butadiene rubber, Polyethylene, Ethyl vinyl alcohol laminate, PVC or vinyl.
Eye protection	: Chemical goggles or safety glasses.
Skin and body protection	: Wear suitable protective clothing. Wear long sleeves.
Respiratory protection	: Where excessive vapour, mist, or dust may result, use NIOSH approved respiratory protection equipment.



## SECTION 9: Physical and chemical properties

### 9.1. Information on basic physical and chemical properties

Physical state	: Liquid
Appearance	: Clear, pale yellow to amber or colorless liquid.
Colour	: Pale yellow (SA01CF01, SZ03CF01, SZ04CF01) Amber (SZ02CF01) Colorless (SAPFCF01, SZPFCF01, SM01CF01)
odour	: None.
Odour threshold	: No data available
pH	: Neutral to slightly acidic
Relative evaporation rate (butylacetate=1)	: No data available
Melting point	: No data available
Freezing point	: No data available
Boiling point	: 100 °C
Flash point	: No data available
Auto-ignition temperature	: No data available
Decomposition temperature	: No data available
Flammability (solid, gas)	: No data available
Vapour pressure	: No data available
Relative vapour density at 20 °C	: No data available
Relative density	: No data available
Solubility	: Water: Complete
Log Pow	: No data available
Viscosity, kinematic	: No data available
Viscosity, dynamic	: No data available
Explosive properties	: Product is not explosive.
Oxidising properties	: Not an Oxidizer.
Explosive limits	: No data available

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### 9.2. Other information

No additional information available

## SECTION 10: Stability and reactivity

### 10.1. Reactivity

No dangerous reactions known under normal conditions of use.

### 10.2. Chemical stability

Stable under recommended handling and storage conditions (see section 7).

### 10.3. Possibility of hazardous reactions

None known.

### 10.4. Conditions to avoid

None known.

### 10.5. Incompatible materials

None known.

### 10.6. Hazardous decomposition products

Thermal decomposition generates : Carbon oxides (CO, CO<sub>2</sub>). Nitrogen oxides. Other toxic fumes.

## SECTION 11: Toxicological information

### 11.1. Information on toxicological effects

Acute toxicity	: Mixture not classified No data available
Irritation	: Mixture not classified No data available pH: neutral to slightly acidic
Corrosivity	: Mixture not classified No data available pH: neutral to slightly acidic
Sensitisation	: Mixture not classified No data available. Contains CMIT/MIT. May produce an allergic reaction.
Repeated dose toxicity	: Mixture not classified No data available
Carcinogenicity	: Mixture not classified No data available
Mutagenicity	: Mixture not classified No data available
Toxicity for reproduction	: Mixture not classified No data available

## SECTION 12: Ecological information

### 12.1. Toxicity

Ecology - general : No data available.

### 12.2. Persistence and degradability

No additional information available

### 12.3. Bioaccumulative potential

No additional information available

### 12.4. Mobility in soil

No additional information available

### 12.5. Results of PBT and vPvB assessment

No additional information available

### 12.6. Other adverse effects

No additional information available

## SECTION 13: Disposal considerations

### 13.1. Waste treatment methods

Waste treatment methods	: Obtain the consent of pollution control authorities before discharging to wastewater treatment plants.
Waste disposal recommendations	: Dispose in a safe manner in accordance with local/national regulations. Do not allow the product to be released into the environment.

## SECTION 14: Transport information

In accordance with ADR / RID / IMDG / IATA / ADN

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### 14.1. UN number

Not hazardous for transport

### 14.2. UN proper shipping name

Proper Shipping Name (ADR) : Not applicable  
Proper Shipping Name (IMDG) : Not applicable  
Proper Shipping Name (IATA) : Not applicable  
Proper Shipping Name (ADN) : Not applicable  
Proper Shipping Name (RID) : Not applicable

### 14.3. Transport hazard class(es)

#### ADR

Transport hazard class(es) (ADR) : Not applicable

#### IMDG

Transport hazard class(es) (IMDG) : Not applicable

#### IATA

Transport hazard class(es) (IATA) : Not applicable

#### ADN

Transport hazard class(es) (ADN) : Not applicable

#### RID

Transport hazard class(es) (RID) : Not applicable

### 14.4. Packing group

Packing group (ADR) : Not applicable  
Packing group (IMDG) : Not applicable  
Packing group (IATA) : Not applicable  
Packing group (ADN) : Not applicable  
Packing group (RID) : Not applicable

### 14.5. Environmental hazards

Dangerous for the environment : No  
Marine pollutant : No  
Other information : No supplementary information available

### 14.6. Special precautions for user

#### 14.6.1. Overland transport

Not applicable

#### 14.6.2. Transport by sea

Not applicable

#### 14.6.3. Air transport

Not applicable

#### 14.6.4. Inland waterway transport

Carriage prohibited (ADN) : No  
Not subject to ADN : No

#### 14.6.5. Rail transport

Carriage prohibited (RID) : No

### 14.7. Transport in bulk according to Annex II of MARPOL 73/78 and the IBC Code

Not applicable

## SECTION 15: Regulatory information

### 15.1. Safety, health and environmental regulations/legislation specific for the substance or mixture

#### 15.1.1. EU-Regulations

Contains no substances with Annex XVII restrictions.

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StabilZyme® Conjugate Stabilizers/Assay Diluent – CMIT/MIT are not on the REACH Candidate List.

Contains no substance on the REACH Candidate List.

Contains no REACH Annex XIV substances.

### 15.1.2. National regulations

All chemical substances in this product are listed in the EPA (Environment Protection Agency) TSCA (Toxic Substances Control Act) Inventory.

#### Germany

Water hazard class (WGK) : 1 - low hazard to waters

### 15.2. Chemical safety assessment

No additional information available

## SECTION 16: Other information

Full text of H-phrases in Section 3

H301: Toxic if swallowed.

H311: Toxic in contact with skin.

H313: Toxic if inhaled.

H314: Causes severe skin burns and eye damage.

H315: Causes skin irritation

H317: May cause an allergic skin reaction.

H400: Very toxic to aquatic life.

H410: Very toxic to aquatic life with long lasting effects.

Indication of changes:

Revision 0: New SDS (EU) created

Other information : Author: CAE.

Surmodics Custom SDS EU (REACH Annex II)

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